Index to Volume 3, Number 1-6.

The Index to volume 3 is composed of three parts: a subject index, an author index, and an advertising index.

Issue	Pages
January-February	1-64
March-April	65-128
May-June	129-224
July-August	225-288
September-October	289-352
November-December	353-416

AUTHOR INDEX -

ASMT Education & Research Fund, Inc. Annual Report 1990, 1990;3:301.

Abel, Robert F. Hypercoagulability and Thrombosis: Role of Fibrinolysis. 1990;3:166. Focus.

Alisbrook, Jr., William C. see Martinez, Joseph E. 1990;3:180. Reviews. **American Society for Medical**

Technology. 59th Annual Meeting and Exposition Abstract Form. 1990;3:305.

American Society for Medical Technology. ASMT 90 Exhibitors List. 1990;3:149.

American Society for Medical Technology. ASMT 90: The 53th Annual Meeting. 1990:3:79.

American Society for Medical Technology. ASMT 90: The 58th Annual Meeting and Exposition Official Abstracts. 1990;3:206.

Amino, Nobuyuki. see Fushimi, Ryo. 1990;3:8. Letters.

Amino, Nobuyuki. see Kimura, Shigeki. 1990;3:228. Letters.

Annesiey, Thomas. Pharmacokinetic Changes in the Elderly. 1990;3:100. Focus

Anonymous, 1990:3:355, Washington Beat.

Anonymous. ASMT FOCUS Continuing Education. 1990;3:224. Anonymous, ASMT FOCUS Con-

tinuing Education. 1990;3:128. Anonymous. ASMT FOCUS Continuing Education. 1990;3:416. Anonymous. ASMT FOCUS Con-

tinuing Education. 1990;3:288. Anonymous. ASMT FOCUS Continuing Education, 1990:3:64.

Anonymous. ASMT FOCUS Continuing Education. 1990;3:352. Anonymous. ASMT House of Del-

egates to Vote on Personnel Standards Position Paper. 1990;3:133. Washington Beat.

Anonymous. America's Drug Testing Dilemma. 1996;3:67. Washington Beat.

Anonymous. Annual Index. 1990;3:402. Annual Index. Anonymous. Classified Advertising. 1990;3:412.

Anonymous. Classified Advertising. 1990;3:282.

Anonymous, Classified Advertising. 1990:3:202.

Anonymous. Classified Advertising. 1990;3:123.

Anonymous. Classified Advertising, 1990:3:61.

Anonymous. Classified Advertising. 1990;3:348. Anonymous. Correction.

1990:3:140. Letters. Anonymous. Correction.

1990:3:9. Letters. Anonymous. Dateline Washington: December 1989.

1990;3:3. Washington Beat. Anonymous. Major Battles Over CLIA 88 Regulations Promise to Heat Up Summer. 1990;3:227.

Washington Beat. Anonymous. New Products. 1990;3:399.

Anonymous, New Products. 1990;3:58.

Anonymous. New Products. 1990;3:279.

Anonymous. New Products. 1990;3:122.

Anonymous. New Products. 1990;3:200.

Anonymous. New Products. 1990;3:346.

Anonymous. News. 1990;3:201. Anonymous. News. 1990;3:400. Anonymous. News. 1990;3:347.

Anonymous. News. 1990;3:280. Anonymous. News. 1990;3:59.

Anonymous. Regulations Governing CLIA 88: Too Rigid, Too Inflexible. 1990;3:292. Washington Beat.

Armbruster, David A. Alpha-fetoprotein: Biochemistry, Clinical Usefulness, and Laboratory Considerations. 1990;3:174. Reviews

Armbruster, David A. Diabetes Mellitus, Protein Glycation, and Laboratory Assays for Monitoring Long-Term Glycemic Control. 1990:3:184. Reviews.

Baglini, Robert. Hypercoagulability and Thrombosis: Role of Antithrombin III. 1990;3:164. Focus

Bamberg, Richard, et al. Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. 1990:3:254. Focus.

Barnes, Barbara A. Maintaining and Testing Serologic Cellwashers. 1990;3:94. In Practice.

Barnes, Barbara A. Newer Methods for Leukocyte-Poor Components. 1990;3:18. In Practice.

Barr, Sue G. Notes from the 57th Annual Meeting and Exposition. 1990:3:6. Letters.

Barr, Sue G. Recruitment Issues and Strategies for the 1990s. 1990:3:238. In Practice.

Barry, Patricia L. see Westgard. James O. 1990;3:271. Research.

Beck, John R. see Martinez, Joseph E. 1990;3:180. Reviews. Beck, Susan J., et al. Educational Skills for Clinical Labora-

tory Scientists. 1990;3:393. Research.

Beck, Susan J., et al. Graduate Education for Clinical Laboratory Scientists. 1990;3:49. Research.

Bennett, Lois. see Kasa, R. Marilyn. 1990;3:136. Letters.

Berg, David E. Exsanguination Caused by a Circulating Anticoagulant. 1990;3:157. In Prac-

Berte, Lucia M. Quality Assurance in Transfusion Medicine. 1990;3:312. In Practice.

Bickford, Nancy M., et al. Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. 1990;3:168. Focus.

Bierma, Thomas. see Kasa, R. Marilyn. 1990;3:138. Letters. Bigler, William N. Personnel Licensure-Proper and Improper Functions. 1990;3:240. In

Practice. Bixby, Elizabeth. see Konstantinides, Frank N. 1990;3:4. Letters

Blakney-Richards, Bettye. Vocational Instructor Practicum: An Aid to Professional Development for Clinical Laboratory Scientists. 1990;3:156. In Practice.

Blayney, Keith D. see Bamberg, Richard. 1990;3:254. Focus. Boe, Gerard P. Learning from History. 1990;3:139. Letters.

Boots, Larry. A Safer Sperm Count Revisited. 1990;3:70.

Boucher, Linda, Endorsing the Sim Lab. 1990;3:228. Letters. Bovey, Sandra H., et al. Transplantation: The Role of Microbiologic Services. 1990;3:320.

Focus.

Brown, Karen A. Peripheral Blood Smears: Preparation and Staining Are Still Important. 1990;3:311. In Practice.

Bruce, A. Wayne. Distance Learning Program for Graduate **Education in Clinical Laboratory** Science. 1990;3:17. In Prac-

Buescher, Jerome G. Agar Disk Diffusion Susceptibility Testing: Time for Another Look. 1990;3:95. In Practice.

Cabrian, Kathy. see Perkins, Anne. 1990:3:70. Latters.

Carlson, Jolane D. Platelet Centrifugation Study for Coagulation. 1990;3:138. Letters.

Cerra, Frank B. see Konstantinides, Frank N. 1990;3:4. Letters.

Chamness, Madge S. see Beck, Susan J. 1990;3:49. Research. Ciak, Lorraine. see Eisenbrey, Louise. 1990;3:113. Reports.

Clancy, Mary C. see Bovey, Sandra H. 1990;3:320. Focus. Clerc, Jeanne. see Hammerberg,

Gary. 1990:3:68. Letters. Cochran, Diana L. Congenital Hy-

pofibrinogenemia During Pregnancy. 1990;3:197. Case Re-

Colonna, Paul J. see Bovey, Sandra H. 1990;3:320. Focus. Creeden, Lisa D. ASMT: Addressing the Problems. 1990;3:71.

Crowley, Julia R. see Zwemer,

Jack D. 1990;3:268. Professional Issues.

Culp, Naomi B., et al. New Approaches to Nucleated RBC Correction of WBC Counts. 1990:3:239. In Practice.

Davis, Brenta G. Effect of Personnel Licensure on Clinical Laboratory Manpower. 1990;3:250. Focus.

Day, Rodney G. Continuous Improvement in Quality. 1990;3:19. In Practice.

Doig, Kathy. Maximizing Effectiveness of Reading Assignments. 1990;3:310. In Practice. Dunn, Cynthia E. see Smalley,

David L. 1990;3:397. Research. Durante, Mariann N. Blastocystis hominis: An Old Parasite

Revisited. 1990;3:159. In Practice.

Ehrmeyer, Sharon S. The New Age Laboratory: Clinical Laboratory Science in the 21st Century. 1990;3:29. Professional Issues.

Ehrmeyer, Sharon S., et al. Proficiency Testing in Clinical Chemistry: How Relevant Is It in 1990? 1990;3:16. In Prac-

Eisenbrey, Louise, et al. Development and Operation of a Clinical Laboratory Practicum Using Simulation. 1990;3:113. Reports.

Estry, Douglas W. see Gardner, Philip D. 1990;3:382. Professional Issues.

Estry, Douglas W., et al. Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey, 1990;3:258. Professional Issues.

Index to Volume 3, Number 1-6.

The Index to volume 3 is composed of three parts: a subject index, an author index, and an advertising index.

Issue	Pages
January-February	1-64
March-April	65-128
May-June	129-224
July-August	225-288
September-October	289-352
November-December	353-416

AUTHOR INDEX -

ASMT Education & Research Fund, Inc. Annual Report 1990, 1990;3:301.

Abel, Robert F. Hypercoagulability and Thrombosis: Role of Fibrinolysis. 1990;3:166. Focus.

Alisbrook, Jr., William C. see Martinez, Joseph E. 1990;3:180. Reviews. **American Society for Medical**

Technology. 59th Annual Meeting and Exposition Abstract Form. 1990;3:305.

American Society for Medical Technology. ASMT 90 Exhibitors List. 1990;3:149.

American Society for Medical Technology. ASMT 90: The 53th Annual Meeting. 1990:3:79.

American Society for Medical Technology. ASMT 90: The 58th Annual Meeting and Exposition Official Abstracts. 1990;3:206.

Amino, Nobuyuki. see Fushimi, Ryo. 1990;3:8. Letters.

Amino, Nobuyuki. see Kimura, Shigeki. 1990;3:228. Letters.

Annesiey, Thomas. Pharmacokinetic Changes in the Elderly. 1990;3:100. Focus

Anonymous, 1990:3:355, Washington Beat.

Anonymous. ASMT FOCUS Continuing Education. 1990;3:224. Anonymous, ASMT FOCUS Con-

tinuing Education. 1990;3:128. Anonymous. ASMT FOCUS Continuing Education. 1990;3:416. Anonymous. ASMT FOCUS Con-

tinuing Education. 1990;3:288. Anonymous. ASMT FOCUS Continuing Education, 1990:3:64.

Anonymous. ASMT FOCUS Continuing Education. 1990;3:352. Anonymous. ASMT House of Del-

egates to Vote on Personnel Standards Position Paper. 1990;3:133. Washington Beat.

Anonymous. America's Drug Testing Dilemma. 1996;3:67. Washington Beat.

Anonymous. Annual Index. 1990;3:402. Annual Index. Anonymous. Classified Advertising. 1990;3:412.

Anonymous. Classified Advertising. 1990;3:282.

Anonymous, Classified Advertising. 1990:3:202.

Anonymous. Classified Advertising. 1990;3:123.

Anonymous. Classified Advertising, 1990:3:61.

Anonymous. Classified Advertising. 1990;3:348. Anonymous. Correction.

1990:3:140. Letters. Anonymous. Correction.

1990:3:9. Letters. Anonymous. Dateline Washington: December 1989.

1990;3:3. Washington Beat. Anonymous. Major Battles Over CLIA 88 Regulations Promise to Heat Up Summer. 1990;3:227.

Washington Beat. Anonymous. New Products. 1990;3:399.

Anonymous, New Products. 1990;3:58.

Anonymous. New Products. 1990;3:279.

Anonymous. New Products. 1990;3:122.

Anonymous. New Products. 1990;3:200.

Anonymous. New Products. 1990;3:346.

Anonymous. News. 1990;3:201. Anonymous. News. 1990;3:400. Anonymous. News. 1990;3:347.

Anonymous. News. 1990;3:280. Anonymous. News. 1990;3:59.

Anonymous. Regulations Governing CLIA 88: Too Rigid, Too Inflexible. 1990;3:292. Washington Beat.

Armbruster, David A. Alpha-fetoprotein: Biochemistry, Clinical Usefulness, and Laboratory Considerations. 1990;3:174. Reviews

Armbruster, David A. Diabetes Mellitus, Protein Glycation, and Laboratory Assays for Monitoring Long-Term Glycemic Control. 1990:3:184. Reviews.

Baglini, Robert. Hypercoagulability and Thrombosis: Role of Antithrombin III. 1990;3:164. Focus

Bamberg, Richard, et al. Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. 1990:3:254. Focus.

Barnes, Barbara A. Maintaining and Testing Serologic Cellwashers. 1990;3:94. In Practice.

Barnes, Barbara A. Newer Methods for Leukocyte-Poor Components. 1990;3:18. In Practice.

Barr, Sue G. Notes from the 57th Annual Meeting and Exposition. 1990:3:6. Letters.

Barr, Sue G. Recruitment Issues and Strategies for the 1990s. 1990:3:238. In Practice.

Barry, Patricia L. see Westgard. James O. 1990;3:271. Research.

Beck, John R. see Martinez, Joseph E. 1990;3:180. Reviews. Beck, Susan J., et al. Educational Skills for Clinical Labora-

tory Scientists. 1990;3:393. Research.

Beck, Susan J., et al. Graduate Education for Clinical Laboratory Scientists. 1990;3:49. Research.

Bennett, Lois. see Kasa, R. Marilyn. 1990;3:136. Letters.

Berg, David E. Exsanguination Caused by a Circulating Anticoagulant. 1990;3:157. In Prac-

Berte, Lucia M. Quality Assurance in Transfusion Medicine. 1990;3:312. In Practice.

Bickford, Nancy M., et al. Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. 1990;3:168. Focus.

Bierma, Thomas. see Kasa, R. Marilyn. 1990;3:138. Letters. Bigler, William N. Personnel Licensure-Proper and Improper Functions. 1990;3:240. In

Practice. Bixby, Elizabeth. see Konstantinides, Frank N. 1990;3:4. Letters

Blakney-Richards, Bettye. Vocational Instructor Practicum: An Aid to Professional Development for Clinical Laboratory Scientists. 1990;3:156. In Practice.

Blayney, Keith D. see Bamberg, Richard. 1990;3:254. Focus. Boe, Gerard P. Learning from History. 1990;3:139. Letters.

Boots, Larry. A Safer Sperm Count Revisited. 1990;3:70.

Boucher, Linda, Endorsing the Sim Lab. 1990;3:228. Letters. Bovey, Sandra H., et al. Transplantation: The Role of Microbiologic Services. 1990;3:320.

Focus.

Brown, Karen A. Peripheral Blood Smears: Preparation and Staining Are Still Important. 1990;3:311. In Practice.

Bruce, A. Wayne. Distance Learning Program for Graduate **Education in Clinical Laboratory** Science. 1990;3:17. In Prac-

Buescher, Jerome G. Agar Disk Diffusion Susceptibility Testing: Time for Another Look. 1990;3:95. In Practice.

Cabrian, Kathy. see Perkins, Anne. 1990:3:70. Latters.

Carlson, Jolane D. Platelet Centrifugation Study for Coagulation. 1990;3:138. Letters.

Cerra, Frank B. see Konstantinides, Frank N. 1990;3:4. Letters.

Chamness, Madge S. see Beck, Susan J. 1990;3:49. Research. Ciak, Lorraine. see Eisenbrey, Louise. 1990;3:113. Reports.

Clancy, Mary C. see Bovey, Sandra H. 1990;3:320. Focus. Clerc, Jeanne. see Hammerberg,

Gary. 1990:3:68. Letters. Cochran, Diana L. Congenital Hy-

pofibrinogenemia During Pregnancy. 1990;3:197. Case Re-

Colonna, Paul J. see Bovey, Sandra H. 1990;3:320. Focus. Creeden, Lisa D. ASMT: Addressing the Problems. 1990;3:71.

Crowley, Julia R. see Zwemer,

Jack D. 1990;3:268. Professional Issues.

Culp, Naomi B., et al. New Approaches to Nucleated RBC Correction of WBC Counts. 1990:3:239. In Practice.

Davis, Brenta G. Effect of Personnel Licensure on Clinical Laboratory Manpower. 1990;3:250. Focus.

Day, Rodney G. Continuous Improvement in Quality. 1990;3:19. In Practice.

Doig, Kathy. Maximizing Effectiveness of Reading Assignments. 1990;3:310. In Practice. Dunn, Cynthia E. see Smalley,

David L. 1990;3:397. Research. Durante, Mariann N. Blastocystis hominis: An Old Parasite

Revisited. 1990;3:159. In Practice.

Ehrmeyer, Sharon S. The New Age Laboratory: Clinical Laboratory Science in the 21st Century. 1990;3:29. Professional Issues.

Ehrmeyer, Sharon S., et al. Proficiency Testing in Clinical Chemistry: How Relevant Is It in 1990? 1990;3:16. In Prac-

Eisenbrey, Louise, et al. Development and Operation of a Clinical Laboratory Practicum Using Simulation. 1990;3:113. Reports.

Estry, Douglas W. see Gardner, Philip D. 1990;3:382. Professional Issues.

Estry, Douglas W., et al. Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey, 1990;3:258. Professional Issues.

- Evans, Valerie J. Controlling the Quality of the White Blood Cell Differential. 1990;3:93. In Practice.
- Farner, Susan. see Kasa, R. Marilyn. 1990;3:138. Letters. Feinberg, Janice L. Interdisciplinary Success: Therapeutic Drug Monitoring Programs. 1990;3:74. Feature.

Ferrera, Carol. see Perkins, Anne. 1990;3:70. Letters. Flynn, Linda S. OSHA: Compliance in the Health-Care Set-

ting. 1990;3:379. Focus. Fritsma, George A. see Culp, Naomi B. 1990;3:239. In Practice.

Fujii, Masumi. see Nakagiri, Itsuhiro. 1990;3:356. Letters. Fushimi, Ryo, et al. Effects of High Plasma IgM Concentrations on Ammonia Test with Du Pont ACA V Discrete Analyzer. 1990;3:8. Letters.

Gardner, Philip D. see Estry, Douglas W. 1990;3:258. Professional Issues.

Gardner, Philip D., et al. Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. 1990;3:382. Professional Issues.

Gartner, Donald J. see Snyder, John R. 1990;3:242. Editorials.

Gonyea, Meredith A. see Karni, Karen R. 1990;3:333. Research.

Gordon, Kris R., et al. Evaluating Software for the Clinical Laboratory. 1990;3:103. Reviews.

Gore, Mary Jane. CLIA 88: Good Intentions, Unpopular Rules. 1990;3:358. Feature.

Gore, Mary Jane. Innovative Recruitment Strategies: How to Woo and Win Job Applicants. 1990;3:231. Feature.

Gore, Mary Jane. Inspecting the Inspectors: What the Latest Joint Commission Surveys Seek. 1990;3:295. Feature.

Gore, Mary Jane. Understanding the Patient: The Need for Minorities in Clinical Laboratory Science. 1990;3:142. Feature.

Green, Ralph E. see Harmening, Denise M. 1990;3:389. Professional Issues.

Gregg, Dorothy E., et al. Careers for Clinical Laboratory Scientists: Verification of Numerous and Diverse Opportunities. 1990;3:32. Professional Issues.

Guiney, Sally A. Baccalaureate & Doctoral Clinical Laboratory Scientists. 1990;3:134. Letters.

Guiney, Sally A. Notes from the 57th Annual Meeting and Exposition. 1990;3:7. Letters.

Hackbarth, Carol. see Eisenbrey, Louise. 1990;3:113. Reports. Hales, Susan C., et al. Comparison of Six Activated Partial Thromboplastin Time Reagents: Intrinsic System Factors' Sensitivity & Responsiveness. 1990;3:194. Research.

Halinski, Ronald S. see Spencer, Charles T. 1990;3:189. Research.

Hammerberg, Gary, et al. The Health Fair—A Recruitment Strategy and Service. 1990;3:68. Letters.

Harmening, Denise M., et al. Laboratory Science Education in Australia: A Comparison with U.S. Programs. 1990;3:389. Professional Issues.

Harper, Vicki. Health Care Needs of Clinical Laboratory Scientists. 1990;3:134. Letters.

Harr, Robert R. Measurement of Red Blood Cell Adenosine Nucleotides by High-Performance Liquid Chromatography. 1990;3:44. Research.

Hayashi, Sadao. see Kimura, Shigeki. 1990;3:228. Letters.

Health, Sr. Mary Clare. Recontaminating the Previously Decontaminated. 1990;3:138. Letters.

Hechinger, M. Cara. see Smalley, David L. 1990;3:397. Research.

Hevrin, Kathy. see Kasa, R. Marilyn. 1990;3:138. Letters.

Hutchinson, Carole S. see Gregg, Dorothy E. 1990;3:32. Professional Issues.

Hyduke, Ruthanne. see Schwabbauer, Marian. 1990;3:107. Professional Issues.

Johns, Cynthia S. Hypercoagulability and Thrombosis: Protein C and S Deficiencies. 1990;3:165. Focus.

Johnson, Dallas. Training Series for Clinical Laboratory Scientists. 1990;3:139. Letters.

Johnson, G. Stephan. see Hales, Susan C. 1990;3:194. Research.

Johnson, Jr., Bruce G. I Am the Tech. 1990;3:230. Letters. Jones, Bernard F., et al. Urine Tonicity and Detection of Hematuria by Microscopy. 1990;3:8. Letters.

Kaczor, Daniel A. Hypercoagulability and Thrombosis: An Overview. 1990;3:161. Focus.

Kaczor, Daniel A. see Bickford, Nancy M. 1990;3:168. Focus.
Kameko, Mitsuaki. see Okumura, Nobuo. 1990;3:54. Re-

search.

Kanai, Masamitsu. see Okumura, Nobuo. 1990;3:54. Research.

Karni, Karen R. Certification for the Profession by the Profession: The Role of NCA. 1990;3:243. Editorials. Karni, Karen R., et al. Laboratory Science Program Cost Construction: A Case Study Approach. 1990;3:333. Research.

Kasa, R. Marilyn, et al. Spuriously High Iron Determinations on the Hitachi 736 in Multiple Myeloma Patients. 1990;3:136. Letters.

Kasper, Linda M. see Snyder, John R. 1990;3:242. Editorials. Katsuyama, Tsutomu. see Okumura, Nobuo. 1990;3:54. Re-

search. **Kaufmann, Patricia.** see Kasa,
R. Marilyn. 1990;3:138. Let-

Kazmierczak, Steven C. Enzymatic Diagnosis of Acute Pancreatitis. 1990;3:91. In Practice.

Kimura, Shigeki, et al. Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Using Automatic Analyzer. 1990;3:228. Letters.

Koch, Thomas R. see Noel, Steven A. 1990;3:237. In Practice.
Kohama, Akitsugu. Nakagiri, Itsuhiro. 1990:3:356. Letters.

Kohda, Kazuma. see Fushimi, Ryo. 1990;3:8. Letters. Kohda, Kazuma. see Kimura,

Shigeki. 1990;3:228. Letters. Konstantinides, Frank N., et al. Microcentrifugal Analysis of Alpha-1 Acid Glycoprotein by Immunoturbidimetric Assay. 1990;3:4. Letters.

Kostroff, Barbara S. see Bigler, William N. 1990;3:240. In Practice.

Kotlarz, Virginia. Baccalaureate Program for Clinical Laboratory Technicians Working Full-time. 1990;3:92. In Practice.

Kotlarz, Virginia. Imaging. 1990;3:72. Letters. Krieger, Monica, see Perki

Krieger, Monica. see Perkins, Anne. 1990;3:70. Letters. Kutt, Sharon M. see Gordon,

Kris R. 1990;3:103. Reviews. Kwak, Yun-Sik. see Naito, Herbert K. 1990;3:308. In Practice.

Laessig, Ronald H. see Ehrmeyer, Sharon S. 1990;3:16. In Practice

Leebov, Wendy. The Middle Management Role in Transition. 1990;3:314. In Practice.

LeGrys, Vicky A. see Beck, Susan J. 1990;3:393. Research

Lustgarten, Jack A. see Noel, Steven A. 1990;3:237. In Practice.

Mahon, Connie R. 20/20 Hindsight. 1990;3:230. Letters.

Mahon, Consuelo R., et al. Standardization of the Urine Microscopic Examination. 1990;3:328. Research.

Maldonado, W. E. see Melvin, Joseph R. 1990;3:365. In Practice. Markowsky, Susan J. see Konstantinides, Frank N. 1990;3:4. Letters.

Martinsz, Joseph E., et al. Flow Cytometric DNA Analysis. 1990;3:180. Reviews.

McDaniel, Glen E. Where Do We Go from Here? 1990;3:7. Letters.

McCoy-Pardington, Dianna. see Steiner, E. Ann. 1990;3:365. In Practice.

McGlasson, David L. Specimen-Processing Requirements for Detection of Lupus Anticoagulant. 1990;3:18. In Practice.

McGlasson, David L., et al.
Platelet-Neutralization Procedure: Atypical Results Seen
with Factor V Deficiency with
and without an Inhibitor.
1990:3:119. Case Study.

McManamon, Timothy G. Fetal Lung Maturity Testing. 1990;3:155. In Practice.

Metvin, Joseph R., et al. Guidelines for Selection of Reagents and Instrumentation for Hemostasis Laboratories. 1990;3:365. In Practice.

Mercier, Richard J. see McGlasson, David L. 1990;3:119. Case Study.

Miller, James R. see Snyder, John R. 1990;3:242. Editorials. Mingora, Marie H. see Bickford,

Nancy M. 1990;3:168. Focus. Mitchell, Diane R. see Konstantinides, Frank N. 1990;3:4. Letters.

Miyai, Kiyoshi. see Fushimi, Ryo. 1990;3:8. Letters.

Miyai, Kiyoshi. see Kimura, Shigeki. 1990;3:228. Letters. Mockli, Gary. Conidia Contami-

nation of Peripheral Smear.
1990;3:134. Letters.

Montgomery, Vida, et al. Transplantation: The Role of Hematologic Services. 1990;3:324. Focus.

Moriyama, Takeshi. see Okumura, Nobuo. 1990;3:54. Research.

Mougey, Ruth. Reflections on the Difference between Resistance to Change and Inertia. 1990;3:239. In Practice.

Myers, Judith A. Transplantation: The Role of Immunohematologic Services. 1990;3:316. Focus.

Myers, Judith A. see Montgomery, Vida. 1990;3:324. Focus.

Naito, Herbert K., et al. Lipoprotein(a) as a New Biochemical Marker for Assessment of Coronary Heart Disease Risk. 1990;3:308. In Practice.

Nakagiri, Itsuhiro, et al. Evaluation of the I L B G Electrolytes. 1990;3:356. Letters.

Nanra, Surrinder K. see Jones, Bernard F. 1990;3:8. Letters.

Noel, Steven A., et al. Interlaboratory Cholesterol Standardization: A Model Project. 1990;3:237. In Practice.

- Nomura, Mitsuko. see Okumura, Nobuo. 1990;3:54. Research.
- Ogino, Ryukou. see Nakagiri, Itsuhiro. 1990;3:356. Letters. Okumura, Nobuo. Effects of
- Sample Storage on Serum C3 Assay by Immunonephelometry. 1990;3:54. Research.
- Osterling, Ruth J. May-Hegglin Anomaly. 1990;3:344. Case Study.
- Pantazis, Cooley G. see Martinez, Joseph E. 1990;3:180. Reviews.
- Patterson, Wayne R. see McGlasson, David L. 1990;3:119. Case Study.
- Pereira, A. B. C. Sensitivity of Potassium lodide for Hematologic Staining. 1990;3:6. Letters.
- Perkins, Anne, et al. ELISA and Filter Papers: Accurate or Not? 1990;3:70. Letters.
- Phillips, Deborah K. Hypercoagulability and Thrombosis: The Promise of Endothelial Cells. 1990;3:170. Focus.
- Pisaneschi, Janet I. New Perspectives on Ethics for Health-Care Professionals. 1990;3:21. Focus.
- Podell, Lynn B. Learning from History. 1990;3:139. Letters.
- Podell, Lynn B., et al. The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. 1990;3:10. Feature.
- Potempa, Lynne F. see McGlasson, David L. 1990;3:119. Case Study.
- Powers, Lawrence W. Certification & Academic Planning. 1990;3:72. Letters.
- Quam, Elsa F. see Westgard, James O. 1990;3:271. Research.
- Ramsey, Michael Kirby. Neonatal Hyperbilirubinemia: Clinical Implications and Laboratory Diagnosis. 1990;3:39. Reviews.
- Reed, Lauren B. Quality Assurance Indicators: Performance Standards Revisited. 1990;3:158. In Practice.
- Ricotta, Mary C. More on Baccalaureate Programs for Full-Time Practitioners. 1990;3:293. Letters.
- Ricotta, Mary C. The Wave of the Future: Unification of Medical Laboratory Professionals. 1990;3:139. Letters.
- Rigney, P. Robert. Blood Banking and the Regulatory Environment in the 1990s. 1990;3:375. Focus.
- Roberts, George H. Acid-Base Balance and Arterial Blood Gases: An Instructional Text. 1990;3:171. Reviews.

- Roberts, George H. Medical Technologist Education Ladder Program. 1990;3:8. Letters.
- Rosner, Eunice. Improving Laboratory Performance through Cooperative Training. 1990:3:365. In Practice.
- Rudmann, Sally V. Merging Liberal and Professional Components of Clinical Laboratory Science Education: A Directive for Excellence. 1990;3:97. Editorials.
- Rudmann, Sally V. What Do Editors Do? A Retrospective Analysis and Philosophical Perspective. 1990;3:370. Editorials.
- Rudmann, Sally V. see Summers, Stephanie H. 1990;3:245. Focus.
- Sanchez, Ronald. CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. 1990;3:372. Focus.
- Schroeder, Donna. see Kasa, R. Marilyn. 1990;3:138. Letters.
- Schwabbauer, Marian. Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. 1990;3:107. Professional Issues.
- Schwabbauer, Marian, et al.
 Solving the Clinical Laboratory
 Personnel Crunch. 1990;3:4.
 Letters.
- Seibert, Mary Lee. see Karni, Karen R. 1990;3:333. Research.
- Simpson, Marcus B. see Summers, Stephanie H. 1990;3:245. Focus.
- Singh, Ravinder K. see Konstantinides, Frank N. 1990;3:4. Letters.
- Smalley, David L., et al. Enzyme Immunoassay for Antibodies to Epstein-Barr Virus Nuclear Antigen. 1990;3:397. Research.
- Smith, Linda A. see Mahon, Consuelo R. 1990;3:328. Research.
- Snyder, John R., et al. Impact of Technology on Clinical Laboratory Manpower. 1990;3:242. Editorials.
- Soldan, Alice F. see Gregg, Dorothy E. 1990;3:32. Professional Issues.
- Spencer, Charles T., et al. Statistical Analysis of Job Level and Job Satisfaction of Clinical Laboratory Scientists. 1990:3:189. Research.
- Steiner, E. Ann, et al. Serologic Difficulties with Antilymphocyte Globulin. 1990;3:365. In Practice.
- Steiner, Tom F. Empowerment: Re-energizing the American Workforce. 1990;3:365. In Practice.
- Stevenson, Ann. Detection of Anticytoplasmic Antibodies by Indirect Immunofluorescence. 1990;3:158. In Practice.
- Suminoe, Akemi. see Fushimi, Ryo. 1990;3:8. Letters.

- Summers, Stephanie H., et al. Clinical Laboratory Manpower: Issues and Strategies. 1990:3:245. Focus.
- Suzuki, Kouichiro. see Nakagiri, Itsuhiro. 1990;3:356. Letters.
- Tada, Takako. see Okumura, Nobuo. 1990;3:54. Research. Takasu, Nobukatsu. see Nakagiri, Itsuhiro. 1990;3:356. Let-
- ters.

 Thornton, David. Lead Poisoning in Children. 1990;3:365. In Practice
- Tiensiwakul, Pornthep. Solid-Phase Hemadsorption Assay for IgM Antibody to *Treponema* pallidum in Serum and Umbilical Cord Blood. 1990;3:341. Research.
- Vaughan, Donna G. see Bamberg, Richard. 1990;3:254. Focus.
- Vittetoe, Marie C. Important Ethical Issues for Clinical Laboratory Science, 1990;3:25. Focus.
- Wagner, Donna. see Hales, Susan C. 1990;3:194. Research.
- Warner, Ann. Neonatal Pharmacokinetics. 1990;3:98. Focus.
- Weed, Jean S. see Summers, Stephanie H. 1990;3:245. Focus.
- Wenk, Robert E. see Noel, Steven A. 1990;3:237. In Practice.
- Westgard, James O., et al. Selection Grids for Planning Quality Control Procedures. 1990:3:271. Research.
- Wilborn, Jay. Quality Assurance in Cholesterol Testing. 1990;3:68. Letters.
- Yasuhara, Masayoshi. see Kimura, Shigeki. 1990;3:228. Letters.
- Zablotney, Sharon. see Podell, Lynn B. 1990;3:10. Feature. Zborowski, Jeanne V. Profes-
- sionalism and the Terminal Degree. 1990;3:68. Letters.
- Zwemer, Jack D., et al. Predictions of Laboratory Personnel Shortages for the Stage of Georgia in the 1990s. 1990;3:268. Professional Issues.

SUBJECT INDEX

- AIDS, see Acquired immunodeficiency syndrome
- ASMT, see American Society for Medical Technology Abstracts
- ASMT 90: The 58th Annual Meeting and Exposition Official Abstracts. (American Society for Medical Technology) 1990;3:206.

- Acid-base balance
- Acid-Base Balance and Arterial Blood Gases: An Instructional Text. (Roberts, George H.) 1990;3:171.
- Acquired immunodeficiency syndrome
- Blood Banking and the Regulatory Environment in the 1990s. (Rigney, P. Robert) 1990;3:375.
- Activated partial thromboplas-
- Comparison of Six Activated Partial Thromboplastin Time Reagents: Intrinsic System Factors' Sensitivity & Responsiveness. (Hales, Susan C., et al.) 1990;3:194.
- Adenosine nucleotides
- Measurement of Red Blood Cell Adenosine Nucleotides by High-Performance Liquid Chromatography. (Harr, Robert R.) 1990;3:44.
- Administration, see Management
- Agar disk diffusion
 - Agar Disk Diffusion Susceptibility Testing: Time for Another Look. (Buescher, Jerome G.) 1990:3:95.
 - Aging, see Geriatrics
- Alpha-1 acid glycoproteins, see Glycoproteins, alpha-1 acid Alpha-fetoprotein
- Alpha-fetoprotein: Biochemistry, Clinical Usefulness, and Laboratory Considerations. (Armbruster, David A.) 1990;3:174.
- American Society for Medical Technology
- ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.
- ASMT: Addressing the Problems. (Creeden, Lisa D.) 1990;3:71.
- Annual Report 1990. (ASMT Education & Research Fund, Inc.) 1990;3:301.
- CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. (Sanchez, Ronald) 1990;3:372.
- Notes from the 57th Annual Meeting and Exposition. (Guiney, Sally A.) 1990;3:7.
- Notes from the 57th Annual Meeting and Exposition. (Barr, Sue G.) 1990;3:6.
- The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.
- The Wave of the Future: Unification of Medical Laboratory Professionals. (Ricotta, Mary C.) 1990;3:139.
- Ammonia
- Effects of High Plasma IgM Concentrations on Ammonia Test with Du Pont ACA V Discrete Analyzer. (Fushimi, Ryo, et al.) 1990;3:8.

Analyzers

Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Using Automatic Analyzer. (Kimura, Shigeki, et al.) 1990;3:228.

Effects of High Plasma IgM Concentrations on Ammonia Test with Du Pont ACA V Discrete Analyzer. (Fushimi, Ryo, et al.) 1990;3:8.

Selection Grids for Planning Quality Control Procedures. (Westgard, James O., et al.) 1990;3:271.

Spuriously High Iron Determinations on the Hitachi 736 in Multiple Myeloma Patients. (Kasa, R. Marilyn, et al.) 1990;3:136.

Antibody screening

Serologic Difficulties with Antilymphocyte Globulin. (Steiner, E. Ann, et al.) 1990;3:365.

Anticoagulants

Hypercoagulability and Thrombosis: An Overview. (Kaczor, Daniel A.) 1990;3:161.

Antilymphocyte globulin

Serologic Difficulties with Antilymphocyte Globulin. (Steiner, E. Ann, et al.) 1990;3:365.

Antineutrophil cytoplasmic antibodies

Detection of Anticytoplasmic Antibodies by Indirect Immunofluorescence. (Stevenson, Ann) 1990;3:158.

Antithrombin III

Hypercoagulability and Thrombosis: Role of Antithrombin III. (Baglini, Robert) 1990;3:164.

Associations, see Organizations Australia

Laboratory Science Education in Australia: A Comparison with U.S. Programs. (Harmening, Denise M., et al.) 1990;3:389.

Bioethics, see Ethics Blastocystis hominis

Blastocystis hominis: An Old Parasite Revisited. (Durante, Mariann N.) 1990;3:159.

Blood banks, see immunohematology

Blood gases

Acid-Base Balance and Arterial Blood Gases: An Instructional Text. (Roberts, George H.) 1990;3:171.

Evaluation of the I L B G Electrolytes. (Nakagiri, Itsuhiro, et al.) 1990;3:356.

Blood levels

Interdisciplinary Success: Therapeutic Drug Monitoring Programs. (Feinberg, Janice L.) 1990;3:74.

C3

Effects of Sample Storage on Serum C3 Assay by Immunonephelometry. (Okumura, Nobuo) 1990;3:54.

Careers

ASMT: Addressing the Problems. (Creeden, Lisa D.) 1990;3:71. Careers for Clinical Laboratory Scientists: Verification of Numerous and Diverse Opportunities. (Gregg, Dorothy E., et al.) 1990;3:32.

Health Care Needs of Clinical Laboratory Scientists. (Harper, Vicki) 1990;3:134.

Imaging. (Kotlarz, Virginia) 1990;3:72.

Statistical Analysis of Job Level and Job Satisfaction of Clinical Laboratory Scientists. (Spencer, Charles T., et al.) 1990;3:189.

Cell counts

Controlling the Quality of the White Blood Cell Differential. (Evans, Valerie J.) 1990;3:93.

New Approaches to Nucleated RBC Correction of WBC Counts. (Culp, Naomi B., et al.) 1990:3:239.

Centrifuges

Platelet Centrifugation Study for Coagulation. (Carlson, Jolane D.) 1990;3:138.

Certification

Certification & Academic Planning. (Powers, Lawrence W.) 1990;3:72.

Certification for the Profession by the Profession: The Role of NCA. (Kami, Karen R.) 1990;3:243.

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Certification, see also Licensure Chemistry

Acid-Base Balance and Arterial Blood Gases: An Instructional Text. (Roberts, George H.) 1990;3:171.

Alpha-fetoprotein: Biochemistry, Clinical Usefulness, and Laboratory Considerations. (Armbruster, David A.) 1990;3:174.

Comparison of Six Activated Partial Thromboplastin Time Reagents: Intrinsic System Factors' Sensitivity & Responsiveness. (Hales, Susan C., et al.) 1990;3:194.

Congenital Hypofibrinogenemia During Pregnancy. (Cochran, Diana L.) 1990;3:197.

Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Using Automatic Analyzer. (Kimura, Shigeki, et al.) 1990;3:228.

Effects of High Plasma IgM Concentrations on Ammonia Test with Du Pont ACA V Discrete Analyzer. (Fushimi, Ryo, et al.) 1990;3:8.

Enzymatic Diagnosis of Acute Pancreatitis. (Kazmierczak, Steven C.) 1990;3:91.

Fetal Lung Maturity Testing. (McManamon, Timothy G.) 1990:3:155.

Interlaboratory Cholesterol Standardization: A Model Project. (Noel, Steven A., et al.) 1990;3:237. Lead Poisoning in Children. (Thornton, David) 1990;3:365.

Lipoprotein(a) as a New Biochemical Marker for Assessment of Coronary Heart Disease Risk. (Naito, Herbert K., et al.) 1990;3:308.

Platelet Centrifugation Study for Coagulation. (Carlson, Jolane D.) 1990;3:138.

Proficiency Testing in Clinical Chemistry: How Relevant Is It in 1990? (Ehrmeyer, Sharon S., et al.) 1990;3:16.

Quality Assurance in Cholesterol Testing. (Wilborn, Jay)

1990;3:68.

Spuriously High Iron Determinations on the Hitachi 736 in Multiple Myeloma Patients. (Kasa, R. Marilyn, et al.) 1990;3:136.

Urine Tonicity and Detection of Hematuria by Microscopy. (Jones, Bernard F., et al.) 1990;3:8.

Cholesterol
Dateline Washington: December
1989. (Anonymous) 1990;3:3.

Interlaboratory Cholesterol Standardization: A Model Project. (Noel, Steven A., et al.) 1990:3:237.

Quality Assurance in Cholesterol Testing. (Wilborn, Jay) 1990;3:68.

Selection Grids for Planning Quality Control Procedures. (Westgard, James O., et al.) 1990;3:271.

Chromatography, liquid

Measurement of Red Blood Cell Adenosine Nucleotides by High-Performance Liquid Chromatography. (Harr, Robert R.) 1990;3:44.

Classified advertisers

Classified Advertising. (Anonymous) 1990;3:348.

Classified Advertising, (Anonymous) 1990;3:282.

Classified Advertising. (Anonymous) 1990;3:202.
Classified Advertising. (Anony-

mous) 1990;3:61.
Classified Advertising. (Anony-

mous) 1990;3:123. Classified Advertising. (Anonymous) 1990;3:412.

Clinical laboratory science
Careers for Clinical Laboratory
Scientists: Verification of Numerous and Diverse Opportunities. (Gregg, Dorothy E., et al.)
1990;3:32.

Continuous Improvement in Quality. (Day, Rodney G.) 1990:3:19.

Distance Learning Program for Graduate Education in Clinical Laboratory Science. (Bruce, A. Wayne) 1990;3:17.

Graduate Education for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:49. I Am the Tech. (Johnson, Jr.,

Bruce G.) 1990;3:230. Important Ethical Issues for Clinical Laboratory Science. (Vittetoe, Marie C.) 1990;3:25. Inspecting the Inspectors: What the Latest Joint Commission Surveys Seek. (Gore, Mary Jane) 1990:3:295.

Laboratory Science Education in Australia: A Comparison with U.S. Programs. (Harmening, Denise M., et al.) 1990;3:389. Learning from History. (Podell,

Lynn B.) 1990;3:139. Learning from History. (Boe, Gerard P.) 1990;3:139.

Merging Liberal and Professional Components of Clinical Laboratory Science Education: A Directive for Excellence. (Rudmann, Sally V.) 1990;3:97.

Proficiency Testing in Clinical Chemistry: How Relevant Is It in 1990? (Ehrmeyer, Sharon S., et al.) 1990;3:16.

Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. (Schwabbauer, Marian) 1990;3:107.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

The New Age Laboratory: Clinical Laboratory Science in the 21st Century. (Ehrmeyer, Sharon S.) 1990;3:29.

The Wave of the Future: Unification of Medical Laboratory Professioonals. (Ricotta, Mary C.) 1990;3:139.

Understanding the Patient: The Need for Minorities in Clinical Laboratory Science. (Gore, Mary Jane) 1990;3:142.

Vocational Instructor Practicum: An Aid to Professional Development for Clinical Laboratory Scientists. (Blakney-Richards, Bettye) 1990;3:156.

Clinical laboratory scientists ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous)

1990;3:133.

ASMT: Addressing the Problems. (Creeden, Lisa D.) 1990;3:71. Baccalaureate & Doctoral Clinical Laboratory Scientists. (Guiney, Sally A.) 1990;3:134.

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Clinical Laboratory Manpower: Issues and Strategies. (Summers, Stephanie H., et al.) 1990:3:245.

Educational Skills for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:393.

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Health Care Needs of Clinical Laboratory Scientists. (Harper, Vicki) 1990;3:134.

Imaging. (Kotlarz, Virginia) 1990;3:72. Impact of Technology on Clinical Laboratory Manpower. (Snyder, John R., et al.) 1990;3:242.

Innovative Recruitment Strategies: How to Woo and Win Job Applicants. (Gore, Mary Jane) 1990:3:231.

Medical Technologist Education Ladder Program. (Roberts, George H.) 1990;3:8.

Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Estry, Douglas W., et al.) 1990;3:258.

Predictions of Laboratory Personnel Shortages for the State of Georgia in the 1990s. (Zwemer, Jack D., et al.) 1990;3:268.

Solving the Clinical Laboratory Personnel Crunch. (Schwabbauer, Marian, et al.) 1990;3:4.

Statistical Analysis of Job Level and Job Satisfaction of Clinical Laboratory Scientists. (Spencer, Charles T., et al.) 1990:3:189.

Training Series for Clinical Laboratory Scientists. (Johnson, Dallas) 1990;3:139.

Where Do We Go from Here? (McDaniel, Glen E.) 1990;3:7. Coagulation

Congenital Hypofibrinogenemia During Pregnancy. (Cochran, Diana L.) 1990;3:197.

Exsanguination Caused by a Circulating Anticoagulant. (Berg, David E.) 1990;3:157.

Guidelines for Selection of Reagents and Instrumentation for Hemostasis Laboratories. (Melvin, Joseph R., et al.) 1990;3:365

Hypercoagulability and Thrombosis: An Overview. (Kaczor, Daniel A.) 1990;3:161.

Hypercoagulability and Thrombosis: Protein C and S Deficiencies. (Johns, Cynthia S.) 1990;3:165.

Hypercoagulability and Thrombosis: Role of Antithrombin III. (Baglini, Robert) 1990;3:164.

Hypercoagulability and Thrombosis: Role of Fibrinolysis. (Abel, Robert F.) 1990;3:166.

Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. (Bickford, Nancy M., et al.) 1990;3:168.

Hypercoagulability and Thrombosis: The Promise of Endothelial Cells. (Phillips, Deborah K.) 1990;3:170.

Platelet-Neutralization Procedure: Atypical Results Seen with Factor V Deficiency with and without an Inhibitor. (McGlasson. David L., et al.) 1990;3:119.

Competence, see Professional competence

Computers

Evaluating Software for the Clinical Laboratory. (Gordon, Kris R., et al.) 1990;3:103.

Contamination, see Microbial contamination

Continuing education, see FOCUS

Corrections

Correction. (Anonymous) 1990;3:9.

Correction. (Anonymous) 1990;3:140.

Cost-benefit analysis, see Costeffectiveness

Cost-effectiveness

Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Usine Automatic Analyzer. (Kimura, Shigeki, et al.) 1990;3:228.

Laboratory Science Program Cost Construction: A Case Study Approach. (Karni, Karen R., et al.) 1990:3:333.

Cost-effectiveness, see also Costs

Costs

CLIA 88: Good Intentions, Unpopular Rules. (Gore, Mary Jane) 1990:3:358

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990;3:379.

Creatine

Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Using Automatic Analyzer. (Kimura, Shigeki, et al.) 1990:3:228.

Creatinine

Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Using Automatic Analyzer. (Kimura, Shigeki, et al.) 1990;3:228.

Curriculum

Baccalaureate Program for Clinical **Laboratory Technicians Working** Full-time. (Kotlarz, Virginia) 1990:3:92.

Development and Operation of a Clinical Laboratory Practicum Using Simulation. (Eisenbrey, Louise, et al.) 1990;3:113.

Distance Learning Program for Graduate Education in Clinical Laboratory Science. (Bruce, A. Wayne) 1990;3:17.

Endorsing the Sim Lab. (Boucher, Linda) 1990;3:228.

Graduate Education for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:49.

Laboratory Science Education in Australia: A Comparison with U.S. Programs. (Harmening, Denise M., et al.) 1990;3:389.

More on Baccalaureate Programs for Full-Time Practitioners. (Ricotta, Mary C.) 1990;3:293.

Curvularia spp. Conidia Contamination of Peripheral Smear. (Mockli, Gary) 1990;3:134.

DNA, see Deoxyribonucleic acid Degrees

Baccalaureate & Doctoral Clinical Laboratory Scientists. (Guiney, Sally A.) 1990;3:134.

Careers for Clinical Laboratory Scientists: Verification of Numercus and Diverse Opportunities. (Gregg, Dorothy E., et al.) 1990;3:32.

Graduate Education for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:49.

Professionalism and the Terminal Degree. (Zborowski, Jeanne V.) 1990:3:68

Deoxyribonucleic acid

Flow Cytometric DNA Analysis. (Martinez, Joseph E., et al.) 1990:3:180.

Diabetes mellitus

Diabetes Mellitus, Protein Glycation, and Laboratory Assays for Monitoring Long-Term Glycemic Control. (Armbruster, David A.) 1990;3:184.

Direct antiglobulin test

Serologic Difficulties with Antilymphocyte Globulin. (Steiner, E. Ann, et al.) 1990;3:365.

Drug testing

America's Drug-Testing Dilemma. (Anonymous) 1990;3:67.

Drug therapy monitoring

Interdisciplinary Success: Therapeutic Drug Monitoring Programs. (Feinberg, Janice L.) 1990:3:74.

ELISA, see Enzyme-linked immunosorbent assay **Economics**

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Laboratory Science Program Cost Construction: A Case Study Approach. (Karni, Karen R., et al.) 1990:3:333.

Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. (Bamberg, Richard, et al.) 1990;3:254.

The Middle Management Role in Transition. (Leebov, Wendy) 1990;3:314.

Editorials

Certification for the Profession by the Profession: The Role of NCA. (Karni, Karen R.) 1990;3:243.

Impact of Technology on Clinical Laboratory Manpower. (Snyder, John R., et al.) 1990;3:242.

Merging Liberal and Professional Components of Clinical Laboratory Science Education: A Directive for Excellence. (Rudmann, Sally V.) 1990:3:97.

What Do Editors Do? A Reprospective Analysis and Philosophical Perspective. (Rudmann, Sally V.) 1990;3:370.

Education

20/20 Hindsight. (Mahon, Connie R.) 1990;3:230.

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

Baccalaureate & Doctoral Clinical Laboratory Scientists. (Guiney, Sally A.) 1990;3:134.

Baccalaureate Program for Clinical Laboratory Technicians Working Full-time. (Kotlarz, Virginia) 1990:3:92.

Careers for Clinical Laboratory Scientists: Verification of Numerous and Diverse Opportunities. (Gregg, Dorothy E., et al.) 1990;3:32.

Certification & Academic Planning. (Powers, Lawrence W.) 1990;3:72.

Clinical Laboratory Manpower: Issues and Strategies. (Summers, Stephanie H., et al.) 1990;3:245.

Development and Operation of a Clinical Laboratory Practicum Using Simulation. (Eisenbrey, Louise, et al.) 1990;3:113.

Distance Learning Program for Graduate Education in Clinical Laboratory Science. (Bruce, A. Wayne) 1990;3:17.

Educational Skills for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:393.

Endorsing the Sim Lab. (Boucher, Linda) 1990;3:228.

Graduate Education for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:49.

Improving Laboratory Performance through Cooperative Training. (Rosner, Eunice) 1990;3:365. Laboratory Science Education in

Australia: A Comparison with U.S. Programs. (Harmening, Denise M., et al.) 1990;3:389. Laboratory Science Program Cost

Construction: A Case Study Approach. (Karni, Karen R., et al.) 1990;3:333.

Maximizing Effectiveness of Reading Assignments. (Doig, Kathy) 1990;3:310.

Medical Technologist Education Ladder Program. (Roberts, George H.) 1990;3:8.

Merging Liberal and Professional Components of Clinical Laboratory Science Education: A Directive for Excellence. (Rudmann, Sally V.) 1990;3:97.

More on Baccalaureate Programs for Full-Time Practitioners (Ricotta, Mary C.) 1990;3:293.

Predictions of Laboratory Personnel Shortages for the State of Georgia in the 1990s. (Zwemer, Jack D., et al.) 1990;3:268.

Professionalism and the Terminal Degree. (Zborowski, Jeanne V.) 1990;3:68.

Recruitment Issues and Strategies for the 1990s. (Barr, Sue G.) 1990;3:238.

Statistical Analysis of Job Level and Job Satisfaction of Clinical Laboratory Scientists. (Spencer, Charles T., et al.) 1990:3:189.

Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. (Schwabbauer, Marian) 1990;3:107.

The Health Fair—A Recruitment Strategy and Service. (Hammerberg, Gary, et al.) 1990:3:68.

Training Series for Clinical Laboratory Scientists. (Johnson, Dallas) 1990;3:139.

Understanding the Patient: The Need for Minorities in Clinical Laboratory Science. (Gore, Mary Jane) 1990;3:142.

Vocational Instructor Practicum: An Aid to Professional Development for Clinical Laboratory Scientists. (Blakney-Richards, Bettye) 1990;3:156.

Where Do We Go from Here? (McDaniel, Glen E.) 1990;3:7.

Educators

Educational Skills for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:393.

Elderly, see Geriatrics Employment

Careers for Clinical Laboratory Scientists: Verification of Numerous and Diverse Opportunities. (Gregg, Dorothy E., et al.) 1990;3:32

Clinical Laboratory Manpower: Issues and Strategies. (Summers, Stephanie H., et al.) 1990:3:245.

Innovative Recruitment Strategies: How to Woo and Win Job Applicants. (Gore, Mary Jane) 1990;3:231.

Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Estry, Douglas W., et al.) 1990;3:258.

Predictions of Laboratory Personnel Shortages for the State of Georgia in the 1990s. (Zwemer, Jack D., et al.) 1990:3:268.

Endothelial cells

Hypercoagulability and Thrombosis: The Promise of Endothelial Cells. (Phillips, Deborah K.) 1990;3:170.

Environmental toxicity A Safer Sperm Count Revisited. (Boots, Larry) 1990;3:70.

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990:3:379.

Enzyme immunoassay

Enzyme Immunoassay for Antibodies to Epstein-Barr Virus Nuclear Antigen. (Smalley, David L., et al.) 1990;3:397.

Enzyme-linked immunosorbent

ELISA and Filter Papers: Accurate or Not? (Perkins, Anne, et al.) 1990:3:70.

Epstein-Barr virus

Enzyme Immunoassay for Antibodies to Epstein-Barr Virus Nuclear Antigen. (Smalley, David L., et al.) 1990;3:397.

Equipment

Guidelines for Selection of Reagents and Instrumentation for Hemostasis Laboratories. (Melvin, Joseph R., et al.) 1990:3:365

Maintaining and Testing Serologic Cellwashers. (Barnes, Barbara A.) 1990;3:94.

Errors

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Spuriously High Iron Determinations on the Hitachi 736 in Multiple Myeloma Patients. (Kasa, R. Marilyn, et al.) 1990;3:136.

Ethics

Important Ethical Issues for Clinical Laboratory Science. (Vittetoe, Marie C.) 1990;3:25.

New Perspectives on Ethics for Health-Care Professionals. (Pisaneschi, Janet I.) 1990;3:21.

Ethnic groups

Understanding the Patient: The Need for Minorities in Clinical Laboratory Science. (Gore, Mary Jane) 1990;3:142.

Exchange transfusion

Neonatal Hyperbilirubinemia: Clinical Implications and Laboratory Diagnosis. (Ramsey, Michael Kirby) 1990;3:39.

Exhibitors

ASMT 90 Exhibitors List. (American Society for Medical Technology.) 1990;3:149.

FDA, see Food and Drug Administration FOCUS

ASMT FOCUS Continuing Education. (Anonymous) 1990;3:64. **ASMT FOCUS Continuing Educa**tion. (Anonymous) 1990;3:128.

ASMT FOCUS Continuing Education. (Anonymous) 1990;3:224. **ASMT FOCUS Continuing Educa-**

tion. (Anonymous) 1990;3:288. **ASMT FOCUS Continuing Educa**tion. (Anonymous) 1990;3:416.

ASMT FOCUS Continuing Education. (Anonymous) 1990;3:352. Blood Banking and the Regulatory Environment in the 1990s.

(Rigney, P. Robert) 1990;3:375. CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. (Sanchez, Ronald) 1990:3:372.

Clinical Laboratory Manpower: Issues and Strategies. (Summers, Stephanie H., et al.) 1990:3:245.

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Hypercoagulability and Thrombosis: An Overview. (Kaczor, Daniel A.) 1990;3:161.

Hypercoagulability and Thrombosis: Protein C and S Deficiencies. (Johns, Cynthia S.) 1990:3:165.

Hypercoagulability and Thrombosis: Role of Antithrombin III. (Baglini, Robert) 1990;3:164.

Hypercoagulability and Thrombosis: Role of Fibrinolysis. (Abel. Robert F.) 1990;3:166.

Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. (Bickford, Nancy M., et al.) 1990;3:168.

Hypercoagulability and Thrombosis: The Promise of Endothelial Cells. (Phillips, Deborah K.) 1990;3:170.

Important Ethical Issues for Clinical Laboratory Science. (Vittetoe, Marie C.) 1990;3:25.

Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. (Bamberg, Richard, et al.) 1990:3:254.

Neonatal Pharmacokinetics. (Warner, Ann) 1990;3:98.

New Perspectives on Ethics for Health-Care Professionals. (Pisaneschi, Janet I.) 1990;3:21.

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990;3:379.

Pharmacokinetic Changes in the Elderly. (Annesley, Thomas) 1990:3:100.

Transplantation: The Role of Hematologic Services. (Montgomery, Vida, et al.) 1990;3:324.

Transplantation: The Role of Immunohematologic Services (Myers, Judith A.) 1990;3:316.

Transplantation: The Role of Microbiologic Services. (Bovey, Sandra H., et al.) 1990;3:320.

Factor V deficiency

Platelet-Neutralization Procedure: Atypical Results Seen with Factor V Deficiency with and without an Inhibitor. (McGlasson, David L., et al.) 1990;3:119.

Fetal organ maturity **Fetal Lung Maturity Testing** (McManamon, Timothy G.) 1990:3:155.

Fibrinolysis

Hypercoagulability and Thrombosis: Role of Fibrinolysis. (Abel, Robert F.) 1990;3:166.

Flow cytometry

Flow Cytometric DNA Analysis. (Martinez, Joseph E., et al.) 1990:3:180.

Food and Drug Administration Blood Banking and the Regulatory Environment in the 1990s. (Rigney, P. Robert) 1990;3:375. Future

Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. (Bamberg, Richard, et al.) 1990;3:254.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

The Middle Management Role in Transition. (Leebov, Wendy) 1990;3:314.

The New Age Laboratory: Clinical Laboratory Science in the 21st Century. (Ehrmeyer, Sharon S.) 1990;3:29.

Geriatrics

Pharmacokinetic Changes in the Elderly. (Annesley, Thomas) 1990;3:100.

Glycated hemoglobin

Diabetes Mellitus, Protein Glycation, and Laboratory Assays for Monitoring Long-Term Glycemic Control. (Armbruster, David A.) 1990;3:184.

Glycated serum protein

Diabetes Mellitus, Protein Glycation, and Laboratory Assays for Monitoring Long-Term Glycemic Control. (Armbruster, David A.) 1990:3:184.

Glycoproteins, alpha-1 acid Microcentrifugal Analysis of Alpha-1 Acid Glycoprotein by Immunoturbidimetric Assay. (Konstantinides, Frank N., et al.) 1990;3:4.

Guidelines

Evaluating Software for the Clinical Laboratory. (Gordon, Kris R., et al.) 1990;3:103.

HCFA, see Health Care Financing Administration **HIV** infection

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990;3:379

Health Care Financing Administration

Blood Banking and the Regulatory Environment in the 1990s. (Rigney, P. Robert) 1990;3:375.

CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. (Sanchez, Ronald) 1990:3:372.

Health professionals

Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. (Bamberg, Richard, et al.) 1990;3:254.

New Perspectives on Ethics for Health-Care Professionals. (Pisaneschi, Janet I.) 1990;3:21.

Understanding the Patient: The Need for Minorities in Clinical Laboratory Science. (Gore, Mary Jane) 1990;3:142.

Hemadsorption assay

Solid-Phase Hemadsorption Assay for IgM Antibody to Treponema pallidum in Serum and Umbilical Cord Blood. (Tiensiwakul, Pomthep) 1990;3:341.

Hematologic staining Sensitivity of Potassium lodide for

Hematologic Staining. (Pereira, A. B. C.) 1990;3:6.

Hematology

Controlling the Quality of the White Blood Cell Differential. (Evans, Valerie J.) 1990;3:93.

Exsanguination Caused by a Circulating Anticoagulant. (Berg, David E.) 1990;3:157.

Guidelines for Selection of Reagents and Instrumentation for Hemostasis Laboratories. (Melvin, Joseph R., et al.) 1990;3:365.

Hypercoagulability and Thrombosis: An Overview. (Kaczor, Daniel A.) 1990;3:161.

Hypercoagulability and Thrombosis: Protein C and S Deficiencies. (Johns, Cynthia S.) 1990:3:165.

Hypercoagulability and Thrombosis: Role of Antithrombin III. (Baglini, Robert) 1990;3:164.

Hypercoagulability and Thrombosis: Role of Fibrinolysis. (Abel, Robert F.) 1990;3:166.

Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. (Bickford, Nancy M., et al.) 1990;3:168.

Hypercoagulability and Thrombosis: The Promise of Endothelial Cells. (Phillips, Deborah K.) 1990;3:170.

May-Hegglin Anomaly. (Osterling, Ruth J.) 1990;3:344.

Measurement of Red Blood Cell Adenosine Nucleotides by High-Performance Liquid Chromatography. (Harr, Robert R.) 1990;3:44.

Neonatal Hyperbilirubinemia: Clinical Implications and Laboratory Diagnosis. (Ramsey, Michael Kirby) 1990;3:39.

New Approaches to Nucleated RBC Correction of WBC Counts. (Culp, Naomi B., et al.) 1990;3:239.

Peripheral Blood Smears: Preparation and Staining Are Still Important. (Brown, Karen A.) 1990;3:311.

Platelet-Neutralization Procedure: Atypical Results Seen with Factor V Deficiency with and without an Inhibitor. (McGlasson, David L., et al.) 1990;3:119.

Sensitivity of Potassium lodide for Hematologic Staining. (Pereira, A. B. C.) 1990;3:6.

Specimen-Processing Requirements for Detection of Lupus Anticoagulant. (McGlasson, David L.) 1990;3:18.

Transplantation: The Role of Hematologic Services. (Montgomery, Vida, et al.) 1990;3:324. Hematuria

Urine Tonicity and Detection of Hematuria by Microscopy. (Jones, Bernard F., et al.) 1990;3:8.

Hemostasis

Guidelines for Selection of Reagents and Instrumentation for Hemostasis Laboratories. (Melvin, Joseph R., et al.) 1990;3:365.

Hepatitis B virus

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990:3:379.

High-performance liquid chromatography, see Chromatography, liquid

Hyperbilirubinemia

Neonatal Hyperbilirubinemia: Clinical Implications and Laboratory Diagnosis. (Ramsey, Michael Kirby) 1990;3:39.

Hypofibrinogenemia

Congenital Hypofibrinogenemia During Pregnancy. (Cochran, Diana L.) 1990;3:197.

Immunofluorescence

Detection of Anticytoplasmic Antibodies by Indirect Immunofluorescence. (Stevenson, Ann) 1990;3:158.

Immunoglobulins

Effects of High Plasma IgM Concentrations on Ammonia Test with Du Pont ACA V Discrete Analyzer. (Fushimi, Ryo, et al.) 1990;3:8.

Immunohematology

Blood Banking and the Regulatory Environment in the 1990s. (Rigney, P. Robert) 1990;3:375.

Detection of Anticytoplasmic Antibodies by Indirect Immunofluorescence. (Stevenson, Ann) 1990;3:158.

Effects of Sample Storage on Serum C3 Assay by Immunonephelometry. (Okumura, Nobuo) 1990;3:54.

Maintaining and Testing Serologic Cellwashers. (Barnes, Barbara A.) 1990;3:94.

A.) 1990;3:94. Newer Methods for Leukocyte-Poor Components. (Barnes, Barbara A.) 1990;3:18.

Quality Assurance in Transfusion Medicine. (Berte, Lucia M.) 1990;3:312.

Reflections on the Difference between Resistance to Change and Inertia. (Mougey, Ruth) 1990;3:239.

Serologic Difficulties with Antilymphocyte Globulin. (Steiner, E. Ann, et al.) 1990:3:365.

Transplantation: The Role of Immunohematologic Services. (Myers, Judith A.) 1990;3:316.

Immunology

Detection of Anticytoplasmic Antibodies by Indirect Immunofluorescence. (Stevenson, Ann) 1990:3:158.

Effects of Sample Storage on Serum C3 Assay by Immunonephelometry. (Okumura, Nobuo) 1990;3:54. Enzyme Immunoassay for Antibodies to Epstein-Barr Virus Nuclear Antigen. (Smalley, David L., et al.) 1990;3:397.

Maintaing and Testing Serologic Cellwashers. (Barnes, Barbara A.) 1990;3:94.

Newer Methods for Leukocyte-Poor Components. (Barnes, Barbara A.) 1990;3:18.

Quality Assurance in Transfusion Medicine. (Berte, Lucia M.) 1990;3:312.

Reflections on the Difference between Resistance to Change and Inertia. (Mougey, Ruth) 1990;3:239.

Serologic Difficulties with Antilymphocyte Globulin. (Steiner, E. Ann, et al.) 1990;3:365.

Solid-Phase Hemadsorption Assay for IgM Antibody to Treponema pallidum in Serum and Umbilical Cord Blood. (Tiensiwakul, Pomthep) 1990;3:341.

Immunonephelometry

Effects of Sample Storage on Serum C3 Assay by Immunonephelometry. (Okumura, Nobuo) 1990;3:54.

Immunoturbidimetry

Microcentrifugal Analysis of Alpha-1 Acid glycoprotein by Immunoturibidimetric Assay. (Konstantinides, Frank N., et al.) 1990;3:4.

Inclusion bodies

May-Hegglin Anomaly. (Osterling, Ruth J.) 1990;3:344.

Informed consent

Important Ethical Issues for Clinical Laboratory Science. (Vittetoe, Marie C.) 1990;3:25. Instruments, see Equipment

Iron

Spuriously High Iron Determinations on the Hitachi 736 in Multiple Myeloma Patients. (Kasa, R. Marilyn, et al.) 1990;3:136.

JCAHO, see Joint Commission on Accreditation of Healthcare Organizations Job satisfaction

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Empowerment: Re-energizing the American Workforce. (Steiner, Tom F.) 1990;3:365.

Statistical Analysis of Job Level and Job Satisfaction of Clinical Laboratory Scientists. (Spencer, Charles T., et al.) 1990;3:189.

Joint Commission on Accreditation of Healthcare Organizations

Inspecting the Inspectors: What the Latest Joint Commission Surveys Seek. (Gore, Mary Jane) 1990;3:295. Quality Assurance Indicators: Performance Standards Revisited. (Reed, Lauren B.) 1990;3:158.

Lead poisoning

Lead Poisoning in Children. (Thornton, David) 1990;3:365.

Legal issues

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

Dateline Washington: December 1989. (Anonymous) 1990;3:3.

Regulations Governing CLIA 88: Too Rigid, Too Inflexible. (Anonymous) 1990;3:292.

Legal issues, see also Legislation, Regulations, Washington Bent Legislation

America's Drug-Testing Dilemma. (Anonymous) 1990;3:67.

Dateline Washington: December 1989. (Anonymous) 1990;3:3.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

The New Age Laboratory: Clinical Laboratory Science in the 21st Century. (Ehrmeyer, Sharon S.) 1990:3:29.

Letters

20/20 Hindsight. (Mahon, Connie R.) 1990;3:230.

A Safer Sperm Count Revisited. (Boots, Larry) 1990;3:70.

ASMT: Addressing the Problems. (Creeden, Lisa D.) 1990;3:71. Baccalaureate & Doctoral Clinical Laboratory Scientists. (Guiney,

Sally A.) 1990;3:134. Certification & Academic Planning. (Powers, Lawrence W.)

1990;3:72.
Conidia Contamination of Peripheral Smear. (Mockli, Gary)
1990;3:134.

Cost-Effective Enzymatic Method for Simultaneous Determination of Urinary Creatine & Creatinine Using Automatic Analyzer. (Kimura, Shigeki, et al.) 1990:3:228.

ELISA and Filter Papers: Accurate or Not? (Perkins, Anne, et al.) 1990;3:70.

Effects of High Plasma IgM Concentrations on Ammonia Test with Du Pont ACA V Discrete Analyzer. (Fushimi, Ryo, et al.) 1990;3:8.

Endorsing the Sim Lab. (Boucher, Linda) 1990;3:228.

Evaluation of the I L B G Electrolytes. (Nakagiri, Itsuhiro, et al.) 1990;3:356.

Health Care Needs of Clinical Laboratory Scientists. (Harper, Vicki) 1990:3:134.

I Am the Tech. (Johnson, Jr., Bruce G.) 1990;3:230.

Imaging. (Kotlarz, Virginia) 1990:3:72.

Learning from History. (Podell, Lynn B.) 1990;3:139.

Learning from History. (Boe, Gerard P.) 1990;3:139.

Medical Technologist Education Ladder Program. (Roberts, George H.) 1990;3:8.

Microcentrifugal Analysis of Alpha-1 Acid Glycoprotein by Immunoturbidimetric Assay. (Konstantinides, Frank N., et al.) 1990;3:4.

More on Baccalaureate Programs for Full-Time Practitioners. (Ricotta, Mary C.) 1990;3:293.

Platelet Centrifugation Study for Coagulation. (Carlson, Jolane D.) 1990;3:138.

Professionalism and the Terminal Degree. (Zborowski, Jeanne V.) 1990;3:68.

Quality Assurance in Cholesterol Testing. (Wilborn, Jay) 1990;3:68.

Recontaminating the Previously Decontaminated. (Heath, Sr. Mary Clare) 1990;3:138.

Sensitivity of Potassium Iodide for Hematologic Staining. (Pereira, A. B. C.) 1990;3:6.

Solving the Clinical Laboratory Personnel Crunch. (Schwabbauer, Marian, et al.) 1990;3:4.

Spuriously High Iron Determinations on the Hitachi 736 in Multiple Myeloma Patients. (Kasa, R. Marilyn, et al.) 1990;3:136.

The Health Fair—A Recruitment Strategy and Service. (Hammerberg, Gary, et al.) 1990;3:68.

Training Series for Clinical Laboratory Scientists. (Johnson, Dallas) 1990;3:139.

Urine Tonicity and Detection of Hematuria by Microscopy. (Jones, Bernard F., et al.) 1990;3:8.

Where Do We Go from Here? (McDaniel, Glen E.) 1990;3:7.

Licensure

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Personnel Licensure—Proper and Improper Functions. (Bigler, William N.) 1990;3:240.

Licensure, see also Certification Lipoproteins

Lipoprotein(a) as a New Biochemical Marker for Assessment of Coronary Heart Disease Risk. (Naito, Herbert K., et al.) 1990;3:308.

Lupus anticoagulants

Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. (Bickford, Nancy M. et al.) 1990;3:168.

Specimen-Processing Requirements for Detection of Lupus Anticoagulant. (McGlasson, David L.) 1990;3:18.

Management

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382. Continuous Improvement in Quality. (Day, Rodney G.) 1990;3:19.

Empowerment: Re-energizing the American Workforce. (Steiner, Tom F.) 1990;3:365.

Innovative Recruitment Strategies: How to Woo and Win Job Applicants. (Gore, Mary Jane) 1990;3:231.

Personnel Licensure—Proper and Improper Functions. (Bigler, William N.) 1990;3:240.

Quality Assurance Indicators: Performance Standards Revisited. (Reed, Lauren B.) 1990;3:158.

Statistical Analysis of Job Level and Job Satisfaction of Clinical Laboratory Scientists. (Spencer, Charles T., et al.) 1990;3:189.

Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. (Schwabbauer, Marian) 1990;3:107.

The Middle Management Role in Transition. (Leebov, Wendy) 1990;3:314.

Manpower

CLIA 88: Good Intentions, Unpopular Rules. (Gore, Mary Jane) 1990;3:358.

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Clinical Laboratory Manpower: Issues and Strategies. (Summers, Stephanie H., et al.) 1990;3:245.

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Impact of Technology on Clinical Laboratory Manpower. (Snyder, John R., et al.) 1990;3:242.

Multiskilled Practitioners in Health-Care Delivery: Current Status and Future Directions. (Bamberg, Richard, et al.) 1990;3:254.

Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Estry, Douglas W., et al.) 1990;3:258.

Predictions of Laboratory Personnel Shortages for the State of Georgia in the 1990s. (Zwemer, Jack D., et al.) 1990;3:268.

Solving the Clinical Laboratory Personnel Crunch. (Schwabbauer, Marian, et al.) 1990;3:4.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

May-Hegglin anomaly May-Hegglin Anomaly. (Osterling, Ruth J.) 1990;3:344. Medical ethics, see Ethics **Medical technologists**

Inspecting the Inspectors: What the Latest Joint Commission Surveys Seek. (Gore, Mary Jane) 1990;3:295.

Learning from History. (Boe, Gerard P.) 1990;3:139.

Learning from History. (Podell, Lynn B.) 1990;3:139.

The Wave of the Future: Unification of Medical Laboratory Professionals. (Ricotta, Mary C.) 1990;3:139.

Medical technologists, see also Clinical laboratory scientists

Meetings

Notes from the 57th Annual Meeting and Exposition. (Barr, Sue G.) 1990;3:6.

Notes from the 57th Annual Meeting and Exposition. (Guiney, Sally A.) 1990;3:7.

Methodology

Selection Grids for Planning Quality Control Procedures. (Westgard, James O., et al.) 1990;3:271.

Microbial contamination

Conidia Contamination of Peripheral Smear. (Mockli, Gary) 1990;3:134.

Recontaminating the Previously Decontaminated. (Heath, Sr. Mary Clare) 1990;3:138.

Microbiology

Agar Disk Diffusion Susceptibility Testing: Time for Another Look. (Buescher, Jerome G.) 1990:3:95.

Conidia Contamination of Peripheral Smear. (Mockli, Gary) 1990;3:134.

Solid-Phase Hemadsorption Assay for IgM Antibody to Treponema pallidum in Serum and Umbilical Cord Blood. (Tiensiwakul, Pomthep) 1990;3:341.

Transplantation: The Role of Microbiologic Services. (Bovey, Sandra H., et al.) 1990;3:320.

Blastocystis hominis: An Old Parasite Revisited. (Durante, Mariann N.) 1990;3:159.

Microscopy

Urine Tonicity and Detection of Hematuria by Microscopy. (Jones, Bernard F., et al.) 1990;3:8.

Minorities, see Ethnic groups
Models

Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. (Schwabbauer, Marian) 1990;3:107.

Morals, see Ethics

National Certification Agency

Certification for the Profession by the Profession: The Role of NCA. (Karni, Karen R.) 1990;3:243.

Neonates, see Pediatrics Neural tube defects

Alpha-fetoprotein: Biochemistry, Clinical Usefulness, and Laboratory Considerations. (Armbruster, David A.) 1990;3:174. New Products

New Products. (Anonymous) 1990;3:346.

New Products. (Anonymous) 1990;3:122.

New Products. (Anonymous) 1990;3:58.

New Products. (Anonymous) 1990;3:200. New Products. (Anonymous)

1990;3:279. New Products. (Anonymous)

1990;3:399. News

News. (Anonymous) 1990;3:347. News. (Anonymous) 1990;3:280.

News. (Anonymous) 1990;3:260 News. (Anonymous) 1990;3:201 News. (Anonymous) 1990:3:201

News. (Anonymous) 1990;3:201. News. (Anonymous) 1990;3:400.

OSHA, see Occupational Safety and Health Administration Occupational Safety and Health Administration

Blood Banking and the Regulatory Environment in the 1990s. (Rigney, P. Robert) 1990;3:375.

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990:3:379.

Occupational hazards, see Environmental toxicity Office laboratories

CLIA 88: Good Intentions, Unpopular Rules. (Gore, Mary Jane) 1990;3:358.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

Organizations

Clinical Laboratory Manpower: Issues and Strategies. (Summers, Stephanie H., et al.) 1990;3:245.

Learning from History. (Podell, Lynn B.) 1990;3:139. Learning from History. (Boe, Ger-

ard P.) 1990;3:139.
The Wave of the Future: Unification of Medical Laboratory Professionals. (Ricotta, Mary C.)

Pancreatitis

1990;3:139.

Enzymatic Diagnosis of Acute Pancreatitis. (Kazmierczak, Steven C.) 1990;3:91.

Parasitology

Blastocystis hominis: An Old Parasite Revisited. (Durante, Mariann N.) 1990;3:159.

Patient rights

Important Ethical Issues for Clinical Laboratory Science. (Vittetoe, Marie C.) 1990;3:25.

Pediatrics

Lead Poisoning in Children. (Thornton, David) 1990;3:365.

Neonatal Hyperbilirubinemia: Clinical Implications and Laboratory Diagnosis. (Ramsey, Michael Kirby) 1990;3:39.

Neonatal Pharmacokinetics. (Warner, Ann) 1990;3:98. Peripheral blood smears

Peripheral Blood Smears: Preparation and Staining Are Still Important. (Brown, Karen A.) 1990;3:311.

Personnel

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. (Sanchez, Ronald)

1990;3:372.

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Empowerment: Re-energizing the American Workforce. (Steiner, Tom F.) 1990;3:365.

Innovative Recruitment Strategies: How to Woo and Win Job Applicants. (Gore, Mary Jane) 1990;3:231.

Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Estry, Douglas W., et al.) 1990;3:258.

Predictions of Laboratory Personnel Shortages for the State of Georgia in the 1990s. (Zwemer, Jack D., et al.) 1990;3:268.

Solving the Clinical Laboratory Personnel Crunch. (Schwabbauer, Marian, et al.) 1990;3:4.

Understanding the Patient: The Need for Minorities in Clinical Laboratory Science. (Gore, Mary Jane) 1990;3:142.

Personnel performance

CLIA 88: Good Intentions, Unpopular Rules. (Gore, Mary Jane) 1990;3:358.

Quality Assurance Indicators: Performance Standards Revisited. (Reed, Lauren B.) 1990;3:158.

Pharmacokinetics

Interdisciplinary Success: Therapeutic Drug Monitoring Programs. (Feinberg, Janice L.) 1990;3:74.

Neonatal Pharmacokinetics. (Warner, Ann) 1990;3:98.

Pharmacokinetic Changes in the Elderly. (Annesley, Thomas) 1990;3:100.

Phototherapy

Neonatal Hyperbilirubinemia: Clinical Implications and Laboratory Diagnosis. (Ramsey, Michael Kirby) 1990;3:39.

Physician office laboratories, see Office Laboratories

Platelet counts

Platelet Centrifugation Study for Coagulation. (Carlson, Jolane D.) 1990;3:138.

Platelet neutralization

Platelet-Neutralization Procedure: Atypical Results Seen with Factor V Deficiency with and without an Inhibitor. (McGlasson, David L., et al.) 1990;3:119. Potassium iodide

Sensitivity of Potassium lodide for Hematologic Staining. (Pereira, A. B. C.) 1990;3:6.

Practice settings

Inspecting the Inspectors: What the Latest Joint Commission Surveys Seek. (Gore, Mary Jane) 1990;3:295.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

The New Age Laboratory: Clinical Laboratory Science in the 21st Century. (Ehrmeyer, Sharon S.) 1990:3:29.

Pregnancy

Congenital Hypofibrinogenemia During Pregnancy. (Cochran, Diana L.) 1990;3:197.

Professional competence

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

Educational Skills for Clinical Laboratory Scientists. (Beck, Susan J., et al.) 1990;3:393.

Improving Laboratory Performance through Cooperative Training. (Rosner, Eunice) 1990;3:365. The Clinical Laboratory in the De-

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

Where Do We Go from Here?

Where Do We Go from Here? (McDaniel, Glen E.) 1990;3:7. Professional competence, see

also Proficiency testing Professionalism

Professionalism and the Terminal Degree. (Zborowski, Jeanne V.) 1990:3:68.

Proficiency testing

CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. (Sanchez, Ronald) 1990;3:372.

CLIA 88: Good Intentions, Unpopular Rules. (Gore, Mary Jane) 1990;3:358.

Proficiency Testing in Clinical Chemistry: How Relevant Is It in 1990? (Ehrmeyer, Sharon S., et al.) 1990;3:16.

Proficiency testing, see also Professional competence Publishing

What Do Editors Do? A Retrospective Analysis and Philosophical Perspective. (Rudmann, Sally V.) 1990;3:370.

Quality assurance

Continuous Improvement in Quality. (Day, Rodney G.) 1990;3:19.

Inspecting the Inspectors: What the Latest Joint Commission Surveys Seek. (Gore, Mary Jane) 1990;3:295.

Quality Assurance Indicators: Performance Standards Revisited. (Reed, Lauren B.) 1990;3:158.

Quality Assurance in Cholesterol Testing. (Wilborn, Jay) 1990:3:68. Quality Assurance in Transfusion Medicine. (Berte, Lucia M.) 1990;3:312.

Quality assurance, see also Quality control Quality control

Controlling the Quality of the White Blood Cell Differential. (Evans, Valerie J.) 1990;3:93.

Interlaboratory Cholesterol Standardization: A Model Project. (Noel, Steven A., et al.) 1990;3:237.

Peripheral Blood Smears: Preparation and Staining Are Still Important. (Brown, Karen A.) 1990:3:311.

Selection Grids for Planning Quality Control Procedures. (Westgard, James O., et al.) 1990;3:271.

Reagents

Comparison of Six Activated Partial Thromboplastin Time Reagents: Intrinsic System Factors' Sensitivity & Responsiveness. (Hales, Susan C., et al.) 1990;3:194.

Guidelines for Selection of Reagents and Instrumentation for Hemostasis Laboratories. (Melvin, Joseph R., et al.) 1990;3:365.

Recruitment

Effect of Personnel Licensure on Clinical Laboratory Manpower. (Davis, Brenta G.) 1990;3:250.

Innovative Recruitment Strategies: How to Woo and Win Job Applicants. (Gore, Mary Jane) 1990;3:231.

Recruitment Issues and Strategies for the 1990s. (Barr, Sue G.) 1990;3:238.

Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. (Schwabbauer, Marian) 1990;3:107.

The Health Fair—A Recruitment Strategy and Service. (Hammerberg, Gary, et al.) 1990;3:68.

Regulations

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

Blood Banking and the Regulatory Environment in the 1990s. (Rigney, P. Robert) 1990;3:375.

CLIA 88 Regulations: A Profound Impact on Clinical Laboratory Practice. (Sanchez, Ronald) 1990:3:372.

CLIA 88: Good Intentions, Unpopular Rules. (Gore, Mary Jane) 1990;3:358.

Dateline Washington: December 1989. (Anonymous) 1990;3:3.

Major Battles Over CLIA 88 Regulations Promise to Heat Up Summer. (Anonymous) 1990;3:227.

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990;3:379. Regulations Governing CLIA 88: Too Rigid, Too Inflexible. (Anonymous) 1990;3:292.

ymous) 1990;3:292.
Regulations, see also Legal
issues, Legislation, Washington Beat

Reports

ASMT Education & Research Fund, Inc.—Annual Report 1990. (Anonymous) 1990;3:301.

Safety, see Environmental toxicity

Salaries

Empowerment: Re-energizing the American Workforce. (Steiner, Tom F.) 1990;3:365.

Sensitivity

Comparison of Six Activated Partial Thromboplastin Time Reagents: Intrinsic System Factors' Sensitivity & Responsiveness. (Hales, Susan C., et al.) 1990;3:194.

Sensitivity of Potassium lodide for Hematologic Staining. (Pereira, A. B. C.) 1990;3:6.

Software, see Computers Sperm count

A Safer Sperm Count Revisited.

(Boots, Larry) 1990;3:70. **Stability** Effects of Sample Storage on

Serum C3 Assay by Immunonephelometry. (Okumura, Nobuo) 1990;3:54.

Staining, see Hematologic staining Standards

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

Evaluating Software for the Clinical Laboratory. (Gordon, Kris R., et al.) 1990;3:103.

OSHA: Compliance in the Health-Care Setting. (Flynn, Linda S.) 1990;3:379.

Quality Assurance Indicators: Performance Standards Revisited. (Reed, Lauren B.) 1990;3:158.

Storage

Effects of Sample Storage on Serum C3 Assay by Immunonephelometry. (Okumura, Nobuo) 1990;3:54.

Stress

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Students

Success in Clinical Laboratory Science Student Recruitment through an Enrollment-Management Model. (Schwabbauer, Marian) 1990;3:107.

The Health Fair—A Recruitment Strategy and Service. (Hammerberg, Gary, et al.) 1990;3:68. Surveys

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Personnel Status Trends in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Estry, Douglas W., et al.) 1990;3:258.

Technology

Impact of Technology on Clinical Laboratory Manpower. (Snyder, John R., et al.) 1990;3:242.

The Clinical Laboratory in the Decade Ahead: Challenges and Opportunities for ASMT. (Podell, Lynn B., et al.) 1990;3:10.

The New Age Laboratory: Clinical Laboratory Science in the 21st Century. (Ehrmeyer, Sharon S.) 1990;3:29.

Therapeutic drug monitoring, see Drug therapy monitoring Thrombosis

Hypercoagulability and Thrombosis: An Overview. (Kaczor, Daniel A.) 1990;3:161.

Hypercoagulability and Thrombosis: Protein C and S Deficiencies. (Johns, Cynthia S.) 1990;3:165.

Hypercoagulability and Thrombosis: Role of Antithrombin III. (Baglini, Robert) 1990;3:164.

Hypercoagulability and Thrombosis: Role of Fibrinolysis. (Abel, Robert F.) 1990;3:166.

Hypercoagulability and Thrombosis: Role of Lupus Anticoagulants. (Bickford, Nancy M., et al.) 1990;3:168.

Hypercoagulability and Thrombosis: The Promise of Endothelial Cells. (Phillips, Deborah K.) 1990;3:170. Toxicity, see Environmental toxicity

Training, see Education Transfusions

Quality Assurance in Transfusion Medicine. (Berte, Lucia M.) 1990;3:312.

Transplantations

Transplantation: The Role of Hematologic Services. (Montgomery, Vida, et al.) 1990;3:324.

Transplantation: The Role of Immunohematologic Services.
(Myers, Judith A.) 1990;3:316.
Transplantation: The Role of Michael and Michael Services.

Transplantation: The Role of Microbiologic Services. (Bovey, Sandra H., et al.) 1990;3:320.

Treponema pallidum

Solid-Phase Hemadsorption Assay for IgM Antibody to Treponema pallidum in Serum and Umbilical Cord Blood. (Tiensiwakul, Pornthep) 1990;3:341.

Urinalysis

Standardization of the Urine Microscopic Examination. (Mahon, Consuelo R., et al.) 1990;3:328.

Urine sediment

Standardization of the Urine Microscopic Examination. (Mahon, Consuelo R., et al.) 1990;3:328.

Urine tonicity

Urine Tonicity and Detection of Hematuria by Microscopy. (Jones, Bernard F., et al.) 1990;3:8.

Venipuncture

Recontaminating the Previously Decontaminated. (Heath, Sr. Mary Clare) 1990;3:138.

Washington Beat

ASMT House of Delegates to Vote on Personnel Standards Position Paper. (Anonymous) 1990;3:133.

America's Drug-Testing Dilemma. (Anonymous) 1990;3:67. Dateline Washington: December

1989. (Anonymous) 1990;3:3. Major Battles Over CLIA 88 Regulations Promise to Heat Up Summer. (Anonymous)

1990;3:227.
Regulations Governing CLIA 88:
Too Rigid, Too Inflexible. (Anonymous) 1990;3:292.

Workload

Changing Job Responsibilities in Clinical Laboratory Science: A Report on the 1989 ASMT National Personnel Survey. (Gardner, Philip D., et al.) 1990;3:382.

Writing

What Do Editors Do? A Retrospective Analysis and Philosophical Perspective. (Rudmann, Sally V.) 1990;3:370.

ADVERTISERS INDEX

ARUP/169, 249, 356 **ASMT**/IBC (Jan/Feb), IBC (Mar/ Apr), 106, IBC (May/Jun), IBC (Jul/Aug), 309, IBC (Sep/Oct), IBC (Nov/Dec)

ASMT Videos/31

Beckman-DSG/OBC (May/June)

C. V. Mosby/5, 73 Clinical Laboratory Educators Conference/IFC (Nov/Dec) Coulter Electronics/IFC (May/ Jun) Eastman Kodak/135, IFC (Sep/

Education Unlimited/169, 249, 319, 356

Educational Reviews/53, 278 Employment Opportunities Program/38, 43, 112, 121, 313, 323

F. A. Davis Company/141

Geico/24, 102, 130, 253, 315, 378

Helena Laboratories/IFC (Jan/Feb)

IMS/IFC (Mar/Apr), 151, IFC (Jul/ Aug)

J. B. Lippincott/69

Lakeland Regional Medical Center/9, 293

MBNA (ASMT credit cards)/229

National Medical Laboratory Week/15

Pumpmatic/319, 371

Sherwood Medical/144, 291 Sigma Diagnostics/OBC (Jan/ Feb), OBC (Mar/Apr), 146, OBC (Jul/Aug), OBC (Sep/Oct), OBC (Nov/Dec)

Wescor, Inc./137